

Abstract of the Disclosure

Provided herein are methods for *in vivo* delivery of an immunogen. In particular, the methods comprise administering an inactivated host cell to a mammal, wherein the host cell comprises a polynucleotide encoding an immunogen. After administration, the immunogen is then expressed *in vivo* by the mammal.

Provided herein are HIV vaccines comprising HIV polypeptide-encoding DNA adsorbed to PLG and/or HIV proteins. Also provided are methods of using these vaccines to generate immune responses in a subject.